

PRE-S PROTEIN OF HEPATITIS B VIRUS (HBV) AS AN  
ADJUVANT AND A COMPONENT OF HBV VACCINE

ABSTRACT

The present invention relates to an adjuvant and vaccine composition containing pre-S of the hepatitis B virus, and more specifically to a modified  
5 recombinant pre-S that can enhance immunogenicity of a general vaccine antigen.  
The present invention also relates to an improved prophylactic Hepatitis B virus (HBV) vaccine and a therapeutic vaccine for the treatment of chronic HBV carriers.